UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/580,515	10/30/2006	Bei Wang	CN020023	2067

24737   7590   11/27/2007

PHILIPS INTELLECTUAL PROPERTY & STANDARDS
P.O. BOX 3001
BRIARCLIFF MANOR, NY 10510

EXAMINER
HOANG, SON T

ART UNIT	PAPER NUMBER
2165	

MAIL DATE	DELIVERY MODE
11/27/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

	Application No.	**Applicant(s)**
	10/580,515	WANG ET AL.
Office Action Summary	**Examiner**	**Art Unit**	
	Son T. Hoang	2165	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>03</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *24 May 2006*.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-40* is/are pending in the application.

     4a) Of the above claim(s) *31-40* is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-30* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *24 May 2006* is/are: a)☐ accepted or b)☒ objected to by the Examiner.

     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☒ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

     a)☐ All   b)☒ Some *   c)☐ None of:

         1.☒ Certified copies of the priority documents have been received.

         2.☐ Certified copies of the priority documents have been received in Application No. _____.

         3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

     * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *24 May 2006*.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5)☐ Notice of Informal Patent Application
6)☐ Other: _____.

DETAILED ACTION

1.   This instant application having Application No. 10/580,515 has a total of 40

claims pending in the application; there are 6 independent claims and 32 dependent

claims.

Election/Restrictions

2.   Restriction to one of the following inventions is required under 35 U.S.C.

121:

I.   **Claims 1-30** are drawn creating/storing data objects in a data storage

medium, classified in class 707, subclass 104.1.

II.   **Claims 31-40** are drawn to playing back the data storage medium having

data objects stored thereon, classified in class 369, subclass 30.01.

The inventions are distinct, each from the other because of the following reasons:

Inventions in *Groups I* and *II* are related as subcombinations disclosed as usable

together in a single combination. The subcombinations are distinct from each other if

they are shown to be separately usable. In the instant case, invention in *Group I* has

separate utility such as creating a data object containing data contents on a data

storage medium. Invention in *Group II* has separate utility such as using an index file to

play back the selected data object on the data storage medium.

Because these inventions are distinct for the reasons given above and have

acquired a separate status in the art as shown by their different classification, restriction

for examination purpose as indicated is proper. See MPEP § 806.05(d).

The Applicant has selected *Group I* consisting of **claims 1-30** after the telephonic communication made on November 13, 2007 with Paul Im (Reg. No. 50418). The Examiner hereon only considers **claims 1-30** for examination purposes.

Oath/Declaration

3.   The Applicant's oath/declaration has been reviewed by the Examiner and is objected due to missing signatures. There are three inventors (Bei Wang, Declan Patrick Kelly, Yang Peng) and only one signature (Bei Wang's) is acknowledged. Accordingly, the oath or declaration required by 35 U.S.C. 115 must be signed by all of the actual inventors. See MPEP 605.04(a). Appropriate correction is required.

Information Disclosure Statement

4.   As required by **M.P.E.P. 609(C)**, the Applicant's submission of the Information Disclosure Statement dated May 24, 2006 is acknowledged by the Examiner. However, since the Non-Patent Literature document entitled *"DVD Read-Only Disk File System Specifications"* is found to be missing, the Examiner only considered other available documents cited in the Information Disclosure Statement in the examination of the claims now pending. As required by **M.P.E.P 609 C(2)**, a copy of the PTOL-1449 initialed and dated by the Examiner is attached to the instant Office action.

Priority

5.   The Applicant's claim for foreign priority of Chinese Patent Application No. 02156141.9 (filed on December 12, 2002) is acknowledged. However, the priority day of December 12, 2002 cannot be claimed since the Oath/Declaration is incomplete

(missing signatures, see the above comments). The Examiner hereon only takes the

PCT filing date of November 24, 2003 into consideration.

Abstract

6.   The abstract of the disclosure is objected due to the use of implied language.

Note that in the abstract, the language should be clear and concise and should not

repeat information given in the title. It should avoid using phrases which can be implied,

such as, "The disclosure concerns," "The disclosure defined by this invention," "The

disclosure describes," etc... See MPEP § 608.01(b). Note that the instant abstract cites

"*The present invention provides ...*" which provokes the use of implied language.

Correction is required.

Furthermore, the abstract of the disclosure does not commence on a separate

sheet in accordance with 37 CFR 1.52(b)(4). A new abstract of the disclosure is

required and must be presented on a separate sheet, apart from any other text.

Drawings

7.   The drawings were received on May 24, 2006. These drawings are objected due

to the citation of a meaningless word "*volumn*" in Figure 1. The Examiner could not find

a definition for this word in the Applicant's disclosure or in a regular dictionary

(http://www.thefreedictionary.com). Appropriate correction / clarification is required.

Claim Objections

8.   **Claims 4-9, 11-12, 15, 19-24, 26-27**, and **30** are objected to because of the

following informalities: using of the grammatically incorrect term of "*meta language*".

The Examiner suggests changing to '*metalanguage*' or '*meta-language*' instead.

Claim Rejections - 35 USC § 112

9.   The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

10.   **Claims 15**, **19-20**, and **30**, are rejected under 35 U.S.C. 112, second paragraph, as failing to set forth the subject matter which applicant(s) regard as their invention.

Regarding **claims 15**, **19**, and **30**, "*the playlist definition file*" is being recited whilst there's no antecedent basis for "*playlist definition file*" mentioned in the previous claims. The Applicant is requested to clarify whether "*playlist definition file*" in **claims 15**, **19**, **30** are the same as "*object definition file*" in **claims 11**, **16**, and **26** respectively.

Claim Rejections - 35 USC § 102

11.   The following is a quotation of the appropriate Paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this Section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000.

Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior

to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

12.　　　**Claims 1-3, 10, 16-18, 25,** are rejected under 35 U.S.C. 102(e) as being

anticipated by Patton et al. (Pat. No. US 6,408,301, filed on February 23, 1999;

hereinafter Patton).

Regarding **claim 1**, Patton clearly shows and discloses a method for

creating a data structure in a data storage medium for describing different data

contents stored therein (Abstract), the method comprising the steps of:

creating at least one content object in the medium, the object

containing data contents (*a plurality of images are storable in a digital form*

on a writeable CD (such as a writeable DVD), [Column 2, Lines 13-38]);

creating an object definition file associated with the object in the

medium, the object definition file describing the object (*each image stored*

with an associated information file, the associated information file

including metadata which has been automatically captured and stored

and/or input by a user, [Column 2, Lines 13-38]); and

creating an index file in the medium, the index file including a table

of contents having a reference to the object (*Various interfaces allow a*

user to designate at least one element of the metadata of the associated

information file as an image link for each of the image files, and further

allows the user to specify more than one of the image links for each of the

image files. An index is created of all of the image links associated with

any of the image files and this index is communicated to the user, [Column

2, Lines 13-38]. *Note that by definition, index is something that serves to*

guide, point out, or otherwise facilitates reference such as a table, file,

catalog, [http://www.thefreedictionary.com]).

Regarding **claim 2**, Patton further discloses a method, further comprising:

creating a plurality of content objects in the medium (*a plurality of*

images are storable in a digital form on a writeable CD (such as a

writeable DVD), [Column 2, Lines 13-38]); and

creating a presentation file in the medium, the presentation file

including presentation definitions of content objects to be played (*When*

the user selects an image 158 to be used to represent a group of images

160, the selected image 158 becomes a Picon which represents the linked

group of images 160. Linking is accomplished using selected metadata,

[Column 8, Lines 1-5]).

Regarding **claim 3**, Patton further discloses a method, further comprising

a step of creating a file system in the medium (*Upon selecting the desired master*

index thumbnail, the new images and thumbnails will be added to the picture

directory sequence path thus evolving the hierarchical picture directory, [Column

4, Lines 60-63]).

Regarding **claim 10**, Patton further discloses a method, wherein the data storage medium is an optical storage medium (*Images are recorded through lens 14 and are stored on Digital Video Disk 16 which is inserted into the camera 10 through the DVD access slot 18*, [Column 3, Lines 52-54]).

Regarding **claim 16**, Patton clearly shows and discloses a data storage medium for storing data for access by a data processing system (Figure 3), comprising:

a data structure stored in the medium for describing different data contents stored therein (Abstract), the data structure including:

at least one content object containing data contents (*a plurality of images are storable in a digital form on a writeable CD (such as a writeable DVD)*, [Column 2, Lines 13-38]),

an object definition file associated with the object, the object definition file describing the object (*each image stored with an associated information file, the associated information file including metadata which has been automatically captured and stored and/or input by a user*, [Column 2, Lines 13-38]), and

an index file including a table of contents having a reference to the object (*Various interfaces allow a user to designate at least one element of the metadata of the associated information file as an image link for each of the image files, and further allows the user*

to specify more than one of the image links for each of the image

files. An index is created of all of the image links associated with

any of the image files and this index is communicated to the user,

[Column 2, Lines 13-38]. *Note that by definition, index is something*

that serves to guide, point out, or otherwise facilitates reference

such as a table, file, catalog, [http://www.thefreedictionary.com]).

Regarding **claim 17**, Patton further discloses a medium, wherein the data

structure further comprises a plurality of content objects and a presentation file (*a*

plurality of images are storable in a digital form on a writeable CD (such as a

writeable DVD), [Column 2, Lines 13-38]), the presentation file including

presentation definitions of content objects to be played (*When the user selects*

an image 158 to be used to represent a group of images 160, the selected image

158 becomes a Picon which represents the linked group of images 160. Linking

is accomplished using selected metadata, [Column 8, Lines 1-5]).

Regarding **claim 18**, Patton further discloses a medium, wherein the data

structure further comprises a file system (*Upon selecting the desired master*

index thumbnail, the new images and thumbnails will be added to the picture

directory sequence path thus evolving the hierarchical picture directory, [Column

4, Lines 60-63]).

Regarding **claim 25**, Patton further discloses a medium, wherein the data

storage medium is an optical storage medium (*Images are recorded through lens*

14 and are stored on Digital Video Disk 16 which is inserted into the camera 10

through the DVD access slot 18, [Column 3, Lines 52-54]).

Claim Rejections - 35 USC § 103

13.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

14.   This application currently names joint inventors. In considering patentability of the

claims under 35 U.S.C. 103(a), the Examiner presumes that the subject matter of the

various claims was commonly owned at the time any inventions covered therein were

made absent any evidence to the contrary. Applicant is advised of the obligation under

37 CFR 1.56 to point out the inventor and invention dates of each claim that was not

commonly owned at the time a later invention was made in order for the Examiner to

consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g)

prior art under 35 U.S.C. 103(a).

15.   **Claims 4-5**, and **19-20**, are rejected under 35 U.S.C. 103(a) as being

unpatentable over Patton et al. (Pat. No. US 6,408,301, filed on February 23, 1999;

hereinafter Patton) in view of Palm (Pub. No. US 2001/0042107, published on

November 15, 2001).

        Regarding **claims 4**, Patton does not disclose the presentation file is

written in a meta language.

Palm discloses multimedia device 105 is also able to parse a play list, containing URLs of specific clips, in XML format ([0048]).

It would be obvious to a person skilled in the art at the time of the invention to incorporate the teachings of Palm with the teachings of Patton for the purpose of providing an interactive search by processing a database of track, album, and playlist information ([0012] of Palm).

Regarding **claim 5**, Palm further discloses the meta language includes one of the following: Extensible Markup Language (XML), Synchronized Multimedia Integrated Language (SMIL), and a custom-defined meta language ([0048]).

Regarding **claim 19**, Palm further discloses the playlist definition file is written in a meta language (*multimedia device 105 is also able to parse a play list, containing URLs of specific clips, in XML format*, [0048]).

Regarding **claim 20**, Palm further discloses the meta language includes one of the following: Extensible Markup Language (XML), Synchronized Multimedia Integrated Language (SMIL), and a custom-defined meta language ([0048]).

16.   **Claims 6-9, 11-14, 21-24,** and **26-29,** are rejected under 35 U.S.C. 103(a) as being unpatentable over Patton et al. (Pat. No. US 6,408,301, filed on February 23, 1999; hereinafter Patton) in view of Chang et al. (Pat. No. US 6,584,459, filed on June 2, 1999; hereinafter Chang).

Regarding **claim 6**, Patton does not explicitly disclose the object definition file is written in a meta language.

Chang discloses the document type definition elements are used as XML format including author, title, publisher, data, edition, abstract, etc. ([Column 5, Line 50 → Column 6, Line 15]).

It would have been obvious to a person with ordinary skills in the art at the time of the invention to incorporate the teachings of Chang with the teachings of Patton for the purpose of storing, searching, and retrieving of structured documents in a relational database system ([Column 3, Lines 30-33] of Chang).

Regarding **claim 7**, Chang further discloses a method, wherein the meta language includes one of the following: Extensible Markup Language (XML), Synchronized Multimedia Integrated Language (SMIL), and a custom-defined meta language ([Column 5, Line 50 → Column 6, Line 15]).

Regarding **claim 8**, Chang further discloses a method, wherein the index file is written in a meta language (*The index will be created to include all structures of the XML document*, [Column 14, Lines 31-36]).

Regarding **claim 9**, Chang further discloses a method, wherein the meta language includes one of the following: Extensible Markup Language (XML), Synchronized Multimedia Integrated Language (SMIL), and a custom-defined meta language (*the structure of an XML document*, [Column 5, Lines 17-48]).

Regarding **claim 11**, Patton clearly shows and discloses a method for

creating a logical format in an optical storage medium for describing multimedia

data stored therein (Abstract), the method comprising the steps of:

creating at least one content object on the disc, the object

containing data contents (*a plurality of images are storable in a digital form*

on a writeable CD (such as a writeable DVD), [Column 2, Lines 13-38]);

creating an object definition file associated with the object in the

medium and describing the object (*each image stored with an associated*

information file, the associated information file including metadata which

has been automatically captured and stored and/or input by a user,

[Column 2, Lines 13-38]); and

creating an index file in the medium and including a table of

contents having a reference to the object (*Various interfaces allow a user*

to designate at least one element of the metadata of the associated

information file as an image link for each of the image files, and further

allows the user to specify more than one of the image links for each of the

image files. An index is created of all of the image links associated with

any of the image files and this index is communicated to the user, [Column

2, Lines 13-38]. *Note that by definition, index is something that serves to*

guide, point out, or otherwise facilitates reference such as a table, file,

catalog, [http://www.thefreedictionary.com]).

Chang discloses:

the object definition file being written in a meta language (*the document type definition elements are used as XML format including author, title, publisher, data, edition, abstract, etc.*, [Column 5, Line 50 → Column 6, Line 15]), and

the index file being written in a meta language (*The index will be created to include all structures of the XML document*, [Column 14, Lines 31-36]).

Regarding **claim 12**, Chang further discloses the meta language includes one of the following: Extensible Markup Language (XML), Synchronized Multimedia Integrated Language (SMIL), and a custom-defined meta language ([Column 5, Line 50 → Column 6, Line 15]).

Regarding **claim 13**, Patton further discloses a method, further comprising:

creating a plurality of content objects in the medium (*a plurality of images are storable in a digital form on a writeable CD (such as a writeable DVD)*, [Column 2, Lines 13-38]); and

creating a presentation file in the medium, the presentation file including presentation definitions of content objects to be played (*When the user selects an image 158 to be used to represent a group of images*

160, the selected image 158 becomes a Picon which represents the linked

group of images 160. Linking is accomplished using selected metadata,

[Column 8, Lines 1-5]).

Regarding **claim 14**, Patton further discloses a method, further comprising

a step of creating a file system in the medium (*Upon selecting the desired master*

index thumbnail, the new images and thumbnails will be added to the picture

directory sequence path thus evolving the hierarchical picture directory, [Column

4, Lines 60-63]).

Regarding **claim 21**, Chang further discloses the object definition file is

written in a meta language (*the document type definition elements are used as*

XML format including author, title, publisher, data, edition, abstract, etc., [Column

5, Line 50 → Column 6, Line 15]).

Regarding **claim 22**, Chang further discloses the meta language includes

one of the following: Extensible Markup Language (XML), Synchronized

Multimedia Integrated Language (SMIL), and a custom-defined meta language

([Column 5, Line 50 → Column 6, Line 15]).

Regarding **claim 23**, Chang further discloses the index file is written in a

meta language (*The index will be created to include all structures of the XML*

document, [Column 14, Lines 31-36]).

Regarding **claim 24**, Chang further discloses the meta language includes

one of the following: Extensible Markup Language (XML), Synchronized

Multimedia Integrated Language (SMIL), and a custom-defined meta language (*the structure of an XML document*, [Column 5, Lines 17-48]).

Regarding **claim 26**, Patton clearly shows and discloses an optical storage medium for storing data for access by a data processing system (Figure 3), comprising:

a data structure that implements a logical format of the medium for describing multimedia data stored therein (Abstract), the data structure including:

at least one content object containing data contents (*a plurality of images are storable in a digital form on a writeable CD (such as a writeable DVD)*, [Column 2, Lines 13-38]);

an object definition file associated with the object and describing the object (*each image stored with an associated information file, the associated information file including metadata which has been automatically captured and stored and/or input by a user*, [Column 2, Lines 13-38]); and

an index file including a table of contents having a reference to the object (*Various interfaces allow a user to designate at least one element of the metadata of the associated information file as an image link for each of the image files, and further allows the user to specify more than one of the image links for each of the image*

files. An index is created of all of the image links associated with

any of the image files and this index is communicated to the user,

[Column 2, Lines 13-38]. *Note that by definition, index is something*

that serves to guide, point out, or otherwise facilitates reference

such as a table, file, catalog, [http://www.thefreedictionary.com]).

Chang discloses:

the object definition file being written in a meta language (*the*

document type definition elements are used as XML format including

author, title, publisher, data, edition, abstract, etc., [Column 5, Line 50 →

Column 6, Line 15]),

an index file being written in a meta language (*The index will be*

created to include all structures of the XML document, [Column 14, Lines

31-36]).

Regarding **claim 27**, Chang further discloses a medium, wherein the meta

language includes one of the following: Extensible Markup Language (XML),

Synchronized Multimedia Integrated Language (SMIL), and a custom-defined

meta language ([Column 5, Line 50 → Column 6, Line 15]).

Regarding **claim 28**, Patton further discloses a medium, wherein the data

structure further comprises a plurality of content objects and a presentation file (*a*

plurality of images are storable in a digital form on a writeable CD (such as a

writeable DVD), [Column 2, Lines 13-38]), the presentation file including

presentation definitions of content objects to be played (*When the user selects*

an image 158 to be used to represent a group of images 160, the selected image

158 becomes a Picon which represents the linked group of images 160. Linking

is accomplished using selected metadata, [Column 8, Lines 1-5]).

Regarding **claim 29**, Patton further discloses a medium, wherein the data

structure further comprises a file system (*Upon selecting the desired master*

index thumbnail, the new images and thumbnails will be added to the picture

directory sequence path thus evolving the hierarchical picture directory, [Column

4, Lines 60-63]).

17.   **Claims 15**, and **30**, are rejected under 35 U.S.C. 103(a) as being unpatentable

over Patton et al. (Pat. No. US 6,408,301, filed on February 23, 1999; hereinafter

Patton) in view of Chang et al. (Pat. No. US 6,584,459, filed on June 2, 1999;

hereinafter Chang) and further in view of Palm (Pub. No. US 2001/0042107, published

on November 15, 2001).

Regarding **claims 15**, Patton and Chang do not disclose the playlist

definition file is written in a meta language.

Palm discloses multimedia device 105 is also able to parse a play list,

containing URLs of specific clips, in XML format ([0048]).

It would have been obvious to a person with ordinary skills in the art at the

time of the invention to incorporate the teachings of Palm with the teachings of

Patton, as taught by Chang, for the purpose of providing an interactive search by

processing a database of track, album, and playlist information ([0012] of Palm).

Regarding **claim 30**, Palm further discloses the playlist definition file is

written in a meta language (*multimedia device 105 is also able to parse a play*

list, containing URLs of specific clips, in XML format, [0048]).

Conclusion

18.   These following prior arts made of record and not relied upon are considered

pertinent to Applicant's disclosure:

        Murakami et al. (Pub. No. US 2003/0049029) teaches recording

apparatus, recording method and program, and recording medium.

        Habuto et al. (Pat. No. US 6,810,441) teaches apparatus, method and

system for reading/writing data and medium for providing data read/write

program.

        Chu et al. (Pub. No. US 2002/0016776) teaches distributing digital

content.

The Examiner requests, in response to this Office action, support(s) must be

shown for language added to any original claims on amendment and any new claims.

That is, indicate support for newly added claim language by specifically pointing to

page(s) and line no(s) in the specification and/or drawing figure(s). This will assist the

Examiner in prosecuting the application.

When responding to this office action, Applicant is advised to clearly point out the

patentable novelty which he or she thinks the claims present, in view of the state of the

art disclosed by the references cited or the objections made. He or she must also show

how the amendments avoid such references or objections See 37 CFR 1.111(c).

Contact Information

Any inquiry concerning this communication or earlier communications from the

Examiner should be directed to Son T. Hoang whose telephone number is (571) 270-

1752. The Examiner can normally be reached on Monday - Friday (7:30 AM – 5:00 PM).

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's

supervisor, Christian Chace can be reached on (571) 272-4190. The fax phone number

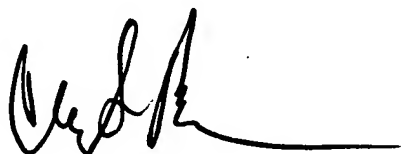for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO

Customer Service Representative or access to the automated information system, call

800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/S.H./

Son T. Hoang

Patent Examiner

November 19, 2007

CHRISTIAN CHACE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100